

# Eagle Copters Maintenance Ltd

## PURCHASE ORDER

823 McTavish Rd, NE  
Calgary, Alberta T2E 7G9  
Canada

November 27, 2012

Telephone: (403) 250-7370

Fax: (403) 250-7110

PO-12-005162

Issued: 11/13/2012

Comments: \*\*\*REVISED PO\*\*\*

### Vendor

Code: VU-DAR004  
Name: Dart Aerospace (USD)  
Address: 1270 Aberdeen Street  
Hawkesbury, Ontario K6A 1K7  
  
Phone: 613-632-5200  
Fax: 613-632-5246

Repair: NO

### Customer

Code: CC-ECML  
Name: Eagle Copters Maintenance Ltd  
Address: 823 McTavish Rd, NE  
Calgary, Alberta T2E 7G9  
Canada

### Ship to

Name: Eagle Copters Maintenance Ltd  
Address: 823 McTavish Rd, NE  
Calgary, Alberta T2E 7G9  
Canada  
Phone: (403) 250-7370

Item	Qty	Part number/Fuel type	Part/Item Description	Condition	Purchase Amount	UOM	Extended Amount	Required Date	Promised Date
1	1	D4627-075	BLEED AIR SENSE LINE ASSEMBLY	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.11.9 #2									
Shipping Instructions: FEDEX 1092 2342 5 P1 407 HP project UPDATED PO									
Comments: PA15 or subsequent no charge prototype for Glen Hunter / Mike Crombie									
2	1	D4627-047	DRAIN TUBE ASSEMBLY	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.11.5 #4									
Comments: PA15 or subsequent									
3	1	D4627-069	TX DRAIN LINE ASSEMBLY	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.4.1 #1									
Comments: PA 18 or post. PA 4. NV4 may already have parts in production. NV4 to contact Harvey to confirm.									
4	2	NAS77C4-016	BUSHING, FLANGED	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.23 #27									
Comments: NV4 may already have parts in production. NV4 to contact Harvey to confirm.									
5	2	NAS75C4-018	BUSHING	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.23 #26									

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Issued: 11/13/2012

Comments: \*\*\*REVISED PO\*\*\*

Item	Qty	Part number/Fuel type	Part/Item Description	Condition	PurchaseAmount	UOM	Extended Amount	Required Date	Promised Date
Comments: NV4 may already have parts in production. NV4 to contact Harvey to confirm.									
6	1	D4627-061	TUBE ASSEMBLY	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.27 #2									
Comments: Post PA15. NV4 may already have parts in production. NV4 to contact Harvey to confirm.									
7	1	D4627-063	TUBE ASSEMBLY	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.27 #1									
Comments: Post PA15. NV4 may already have parts in production. NV4 to contact Harvey to confirm.									
8	2	D4587-5	SHORT ANGLE	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.29 #4									
Comments: PA 4. NV4 may already have parts in production. NV4 to contact Harvey to confirm.									
9	2	D4587-3	LONG ANGLE	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.29 #3									
Comments: PA 7. NV4 may already have parts in production. Contact Harvey to confirm.									
10	2	D4587-041	SEAL RETAINER ASSY	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.29 #2									
Comments: REVISED to PA 5									
11	1	NAS75C4-008	BUSHING	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.23.3 #1									
Comments: Part may already be in "production". NV4 will have to contact Harvey to confirm.									
12	1	D4714-1	CHANNEL	Prototype	0.00 USD	Each	0.00 USD	11/12/2012	
Work Order Number: 47953.22.29 #1									
Comments: Rev. PA 1									

Buyer: Frank Mah

Approved By: Audra Lemay

P.O. Total: 0.00 USD

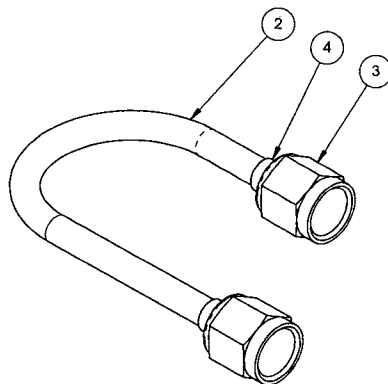
EAGLE PARTS  
PROTOTYPE PRELIMINARY PARTS

PO #	QTY	P/N	DWG	PART	WORK ORDER #	FINDINGS
			REV	DESCRIPTION	(BATCH #)	
PO12-005162		D4627-075		BLEED AIR SENSE LINE		All parts to be purchased at field aviation & inspected at eagle
				ASSEMBLY		
		D4627-31		TUBE		
		AN818-4J		NUT COUPLING (OR AN818-4K)		
		MS20819-4J		SLEEVE COUPLING		
		D4627-047		DRAIN TUBE ASSEMBLY		
		D4627-3		TUBE		
		AN818-2J		NUT COUPLING (OR AN818-4K)		
		MS20819-2D		SLEEVE COUPLING		
		D4627-069		TX DRAIN LINE ASSEMBLY		
		D4627-25		TUBE		
		AN818-6D		NUT COUPLING		
		MS20819-6D		SLEEVE COUPLING		
		D4627-061		TUBE ASSEMBLY		
		D4627-17		TUBE		
		AN818-8D		NUT COUPLING		
		MS20819-8D		SLEEVE COUPLING		
		D4627-063		TUBE ASSEMBLY		
		D4627-19		TUBE		
		AN818-8D		NUT COUPLING		
		MS20819-8D		SLEEVE COUPLING		
	x2	D4587-041	PA5	SEAL RETAINER ASS'Y	B93962	no material certs for D4587-7 due to it being a purchased part AN4C-6A
	x2	D4587-1	PA5	SEAL RETAINER	B93962	all other material certs and FAI's are attached to the work orders
	x14	D4587-7	PA5	STUD	B93963	D4587-041 is buffed/brushed clean to remove any welding marks

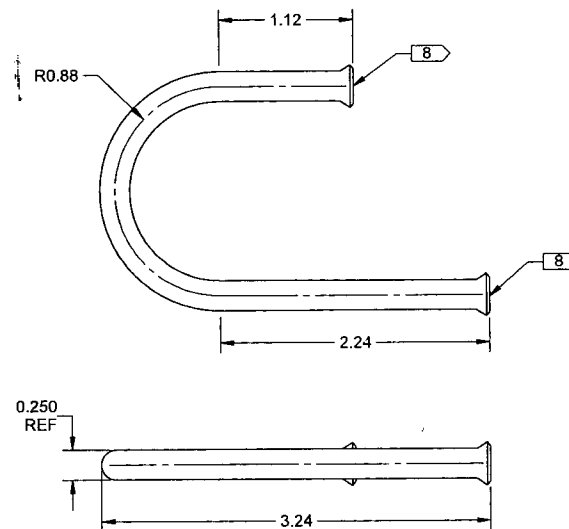
EAGLE PARTS  
PROTOTYPE PRELIMINARY PARTS

[illegible]

ITEM NO.	QTY. -075	PART NUMBER	DESCRIPTION
1	X	D4627-075	BLEED AIR SENSE LINE ASSEMBLY
2	1	D4627-31	TUBE
3	2	AN818-4J	NUT COUPLING (OR AN818-4K)
4	2	MS20819-4J	SLEEVE COUPLING



**D4627-075 BLEED AIR SENSE LINE ASSEMBLY**



**D4627-31 TUBE**

**NOTES:**

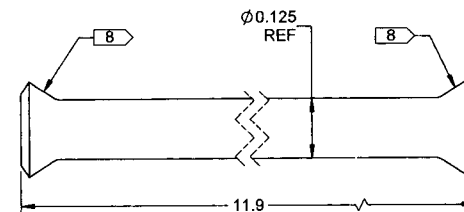
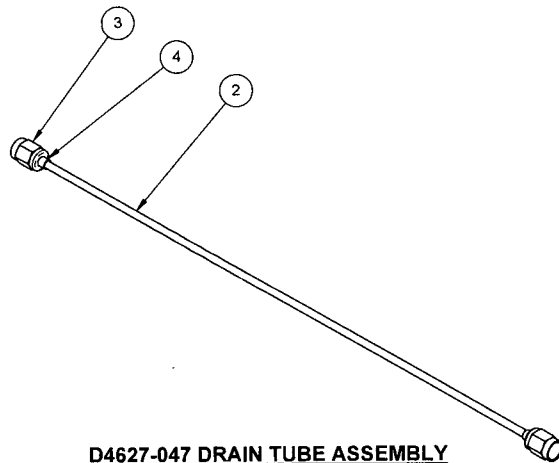
- 1) MATERIAL: AISI 304/316 STAINLESS STEEL SEAMLESS ROUND TUBING,  $\phi$  0.250 X 0.049 WALL  
PER ASTM A213 OR ASTM SA213 OR ASTM A269  
REF DART SPEC M304TR0.250W.049
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.07 lbs
- 8) FLARE TUBE PER MS33584

**PRELIMINARY ISSUE**

12.03.22

DESIGN		<b>DART AEROSPACE LTD</b>
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. REV. PA18
MFG. APPR.		D4627 SHEET 18 OF 19
APPROVED		TITLE SCALE
DE APPR.		LINES NTS
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ITEM NO.	QTY. -047	PART NUMBER	DESCRIPTION
1	X	D4627-047	DRAIN TUBE ASSEMBLY
2	1	D4627-3	TUBE
3	2	AN818-2J	NUT COUPLING (OR AN818-2K)
4	2	MS20819-2D	SLEEVE COUPLING



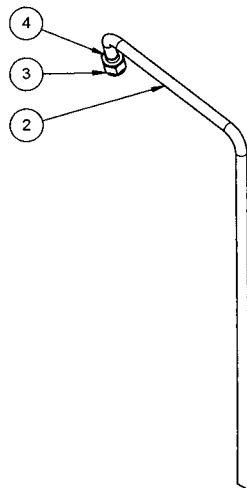
- NOTES:
- 1) MATERIAL: 6061-T6/T62 ALUMINUM TUBING,  $\phi 0.125 \times 0.035$  WALL  
PER WW-T-700/6 OR AMS 4080 OR AMS 4082  
OR QQ-A-200/8 OR QQ-A-225/8  
REF DART SPEC M6061T6T0.13W.035
  - 2) FINISH: N/A
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
  - 7) WEIGHT: 0.01 lbs
  - 8) FLARE TUBE PER MS33584

**PRELIMINARY ISSUE**

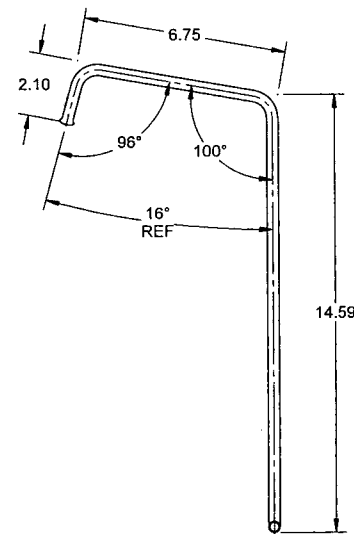
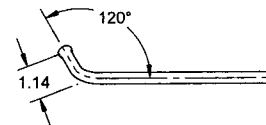
12.03.22

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b>
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA
CHECKED	<i>[Signature]</i>	DRAWING NO. REV. PA18
MFG. APPR.		D4627 SHEET 4 OF 19
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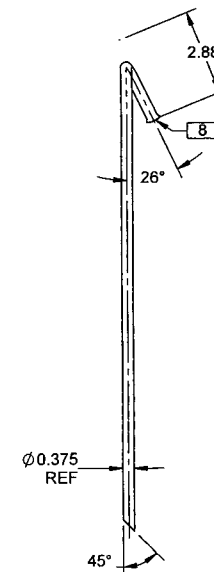
ITEM NO.	QTY. -069	PART NUMBER	DESCRIPTION
1	X	D4627-069	TX DRAIN LINE ASSEMBLY
2	1	D4627-25	TUBE
3	1	AN818-6D	NUT COUPLING
4	1	MS20819-6D	SLEEVE COUPLING



**D4627-069 TX DRAIN LINE ASSEMBLY**



**D4627-25 TUBE**



**NOTES:**

- 1) MATERIAL: 6061-T6/T62 ALUMINUM TUBING,  $\phi 0.375 \times 0.035$  WALL  
PER WW-T-700/6 OR AMS 4080 OR AMS 4082  
OR QQ-A-200/8 OR QQ-A-225/8  
REF DART SPEC M6061T6T0.375W.035
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.09 lbs
- 8) FLARE TUBE PER MS33584

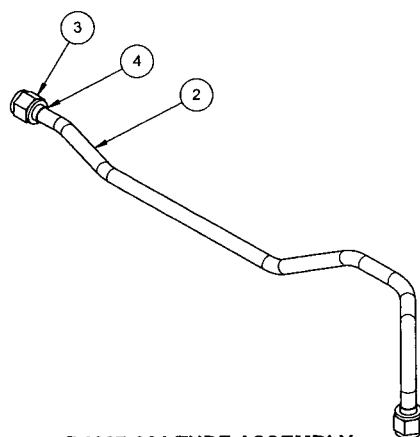
**PRELIMINARY ISSUE**

12.03.22

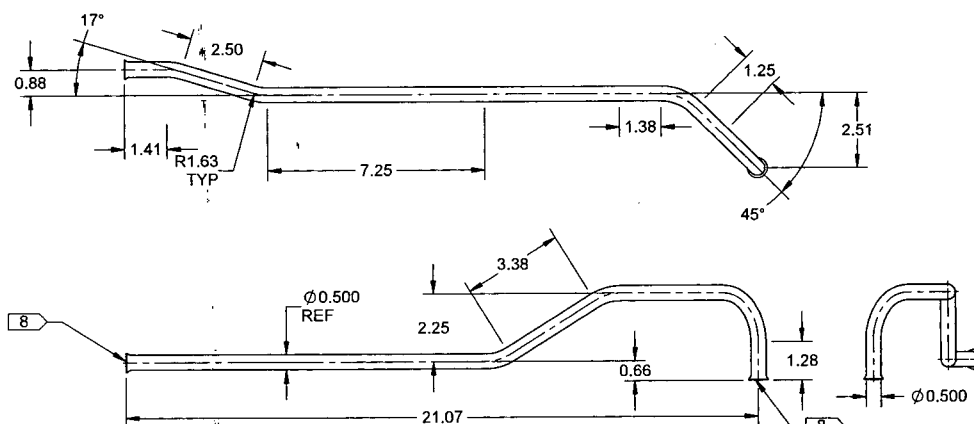
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DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. <b>D4627</b>
MFG. APPR.		REV. PA18
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DE APPR.		TITLE <b>LINES</b>
DATE	12.03.22	NTS

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ITEM NO.	QTY. -061	PART NUMBER	DESCRIPTION
1	X	D4627-061	TUBE ASSEMBLY
2	1	D4627-17	TUBE
3	2	AN818-8D	NUT COUPLING
4	2	MS20819-8D	SLEEVE COUPLING



**D4627-061 TUBE ASSEMBLY**



**D4627-17 TUBE**

**NOTES:**

- 1) MATERIAL: 6061-T6/T62 ALUMINUM TUBING,  $\phi 0.500 \times 0.049$  WALL  
PER WW-T-700/6 OR AMS 4080 OR AMS 4082  
OR QQ-A-200/8 OR QQ-A-225/8  
REF DART SPEC M6061T6T0.500W.049
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.07 lbs
- 8) FLARE TUBE PER MS33584

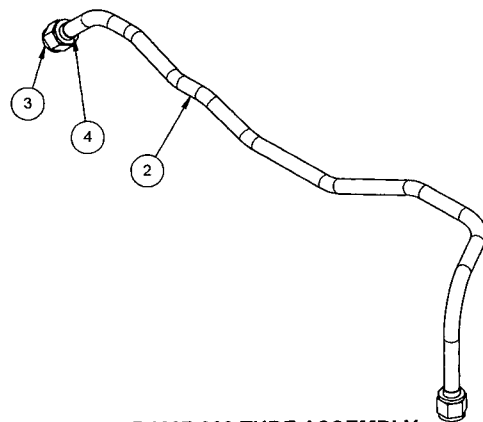
**PRELIMINARY ISSUE**

12.03.22

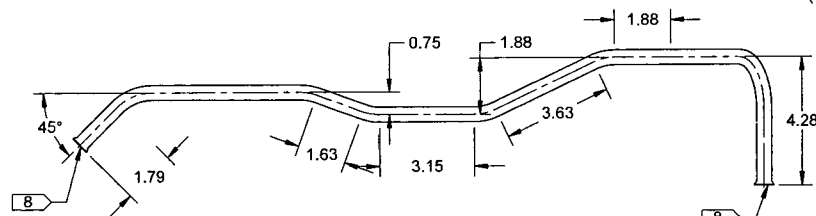
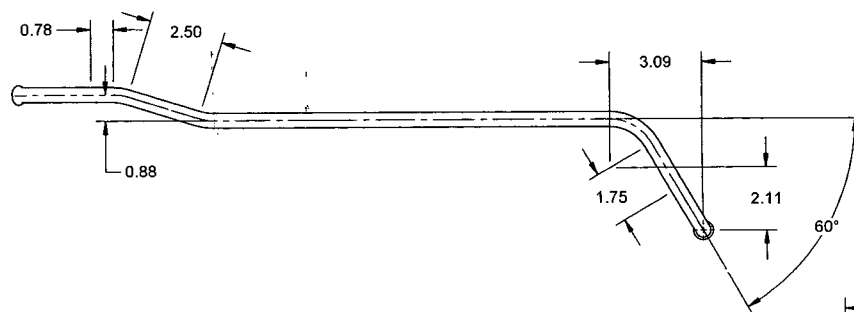
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DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. REV. PA18
MFG. APPR.		<b>D4627</b> SHEET 11 OF 19
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DE APPR.		<b>LINES</b> NTS
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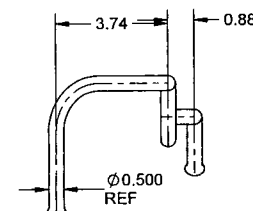
ITEM NO.	QTY. -063	PART NUMBER	DESCRIPTION
1	X	D4627-063	TUBE ASSEMBLY
2	1	D4627-19	TUBE
3	2	AN818-8D	NUT COUPLING
4	2	MS20819-8D	SLEEVE COUPLING



**D4627-063 TUBE ASSEMBLY**



**D4627-19 TUBE**



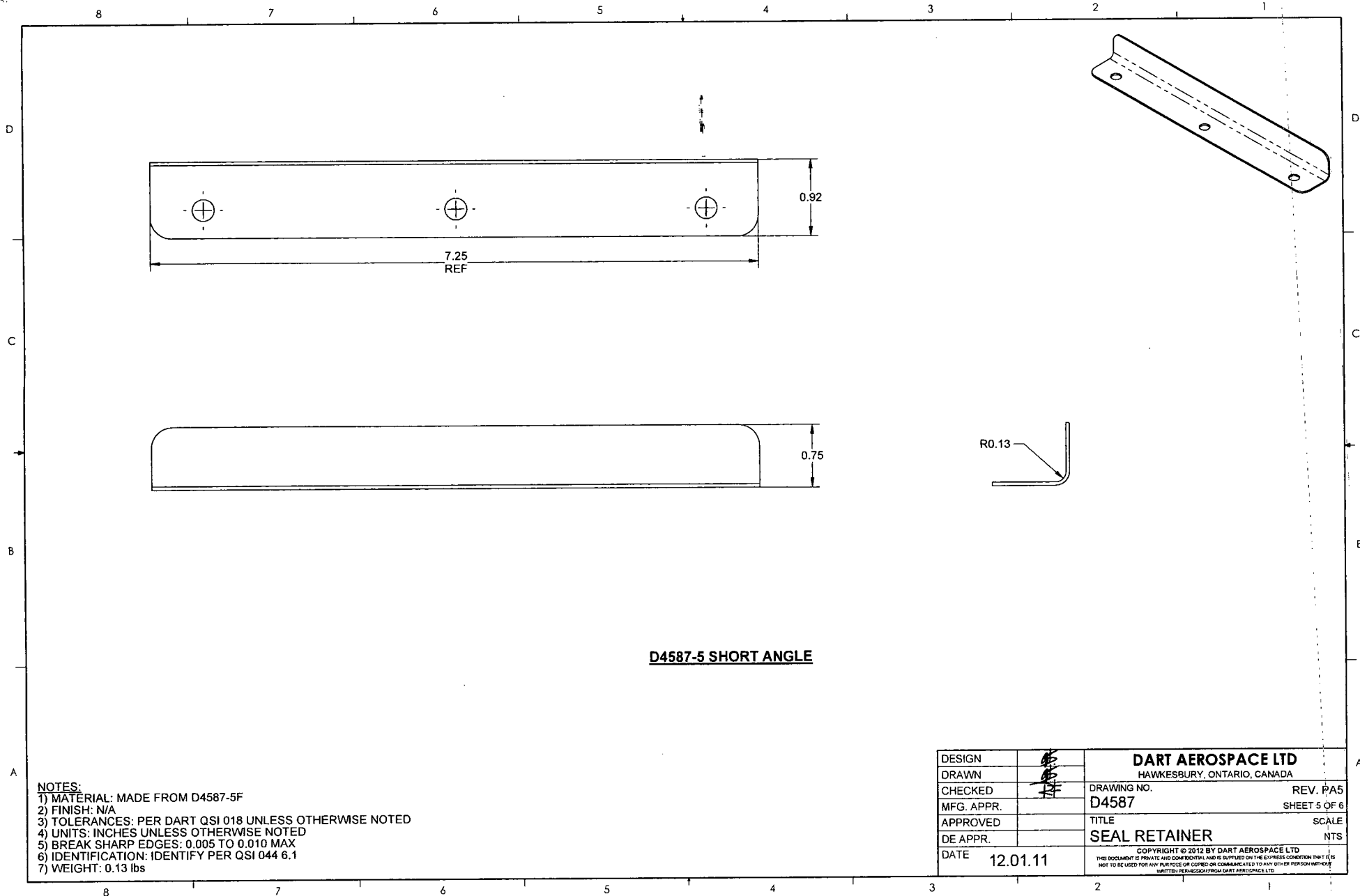
**NOTES:**

- 1) MATERIAL: 6061-T6/T62 ALUMINUM TUBING,  $\phi 0.500 \times 0.049$  WALL  
PER WW-T-700/6 OR AMS 4080 OR AMS 4082  
OR QQ-A-200/8 OR QQ-A-225/8  
REF DART SPEC M6061T6T0.500W.049
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.08 lbs
- 8) FLARE TUBE PER MS33584

**PRELIMINARY ISSUE**

12.03.22

DESIGN		<b>DART AEROSPACE LTD</b>
DRAWN		HAWKESBURY, ONTARIO, CANADA
CHECKED		DRAWING NO. <b>D4627</b>
MFG. APPR.		REV. PA18
APPROVED		SHEET 12 OF 19
DE APPR.		TITLE <b>LINES</b>
DATE	12.03.22	SCALE <b>NTS</b>
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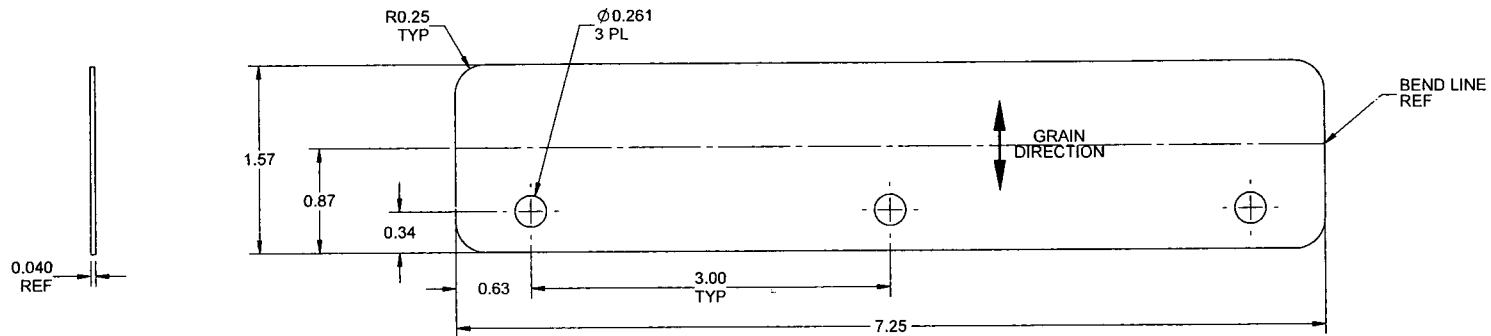


# **D4587-5 SHORT ANGLE**

## **NOTES:**

- 1) MATERIAL: MADE FROM D4587-5F
- 2) FINISH: N/A
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.13 lbs

DESIGN	<i>[Signature]</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>[Signature]</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. PA5
MFG. APPR.		<b>D4587</b>	SHEET 5 OF 6
APPROVED		TITLE	SCALE
DE APPR.		<b>SEAL RETAINER</b>	NTS
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**D4587-5F**

**NOTES:**

- 1) MATERIAL: AISI 304/316, 1/4 HARD STAINLESS STEEL SHEET, 20 GAUGE  
PER MIL-S-5059 OR AMS 5513 (304) OR AMS 5524 (316)  
OR ASTM A240 OR ASME SA240  
REF DART SPEC M304S20GA
- 2) FINISH: 2B FINISH
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: IDENTIFY PER QSI 044 6.1
- 7) WEIGHT: 0.13 lbs

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. PA5
MFG. APPR.		D4587	SHEET 6 OF 6
APPROVED		TITLE	SCALE
DE APPR.		SEAL RETAINER	NTS
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